

Figure 1. Equilibrium binding of EZE-glucuronide to rhesus BBMVs

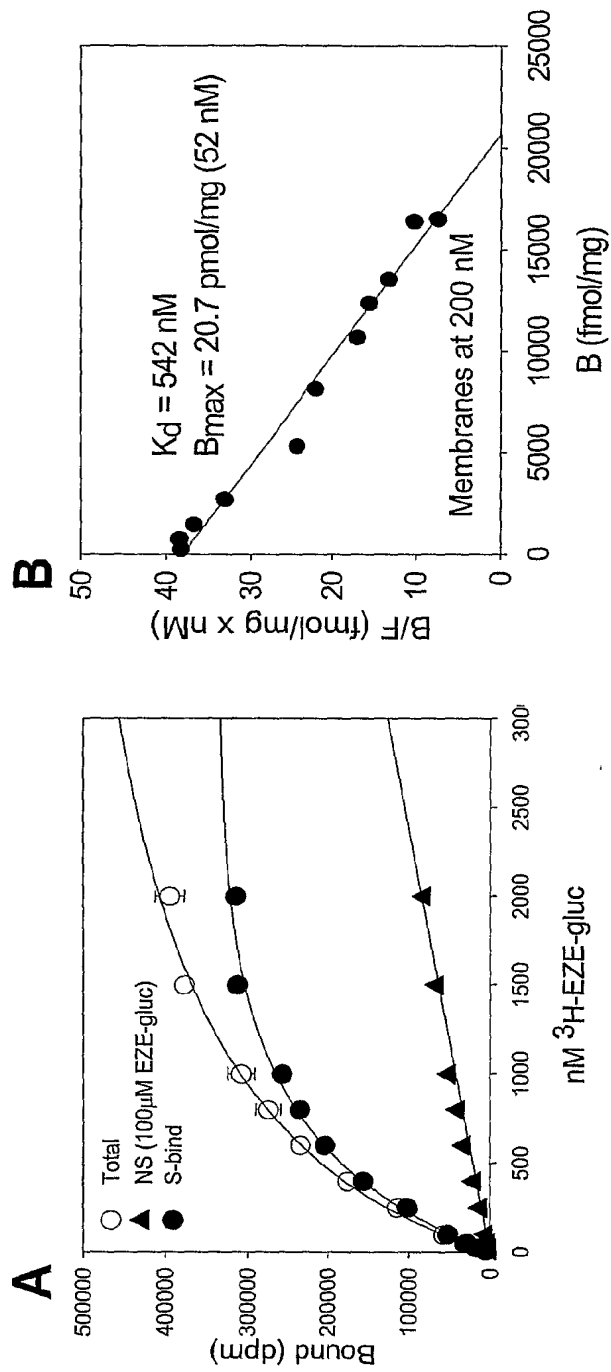
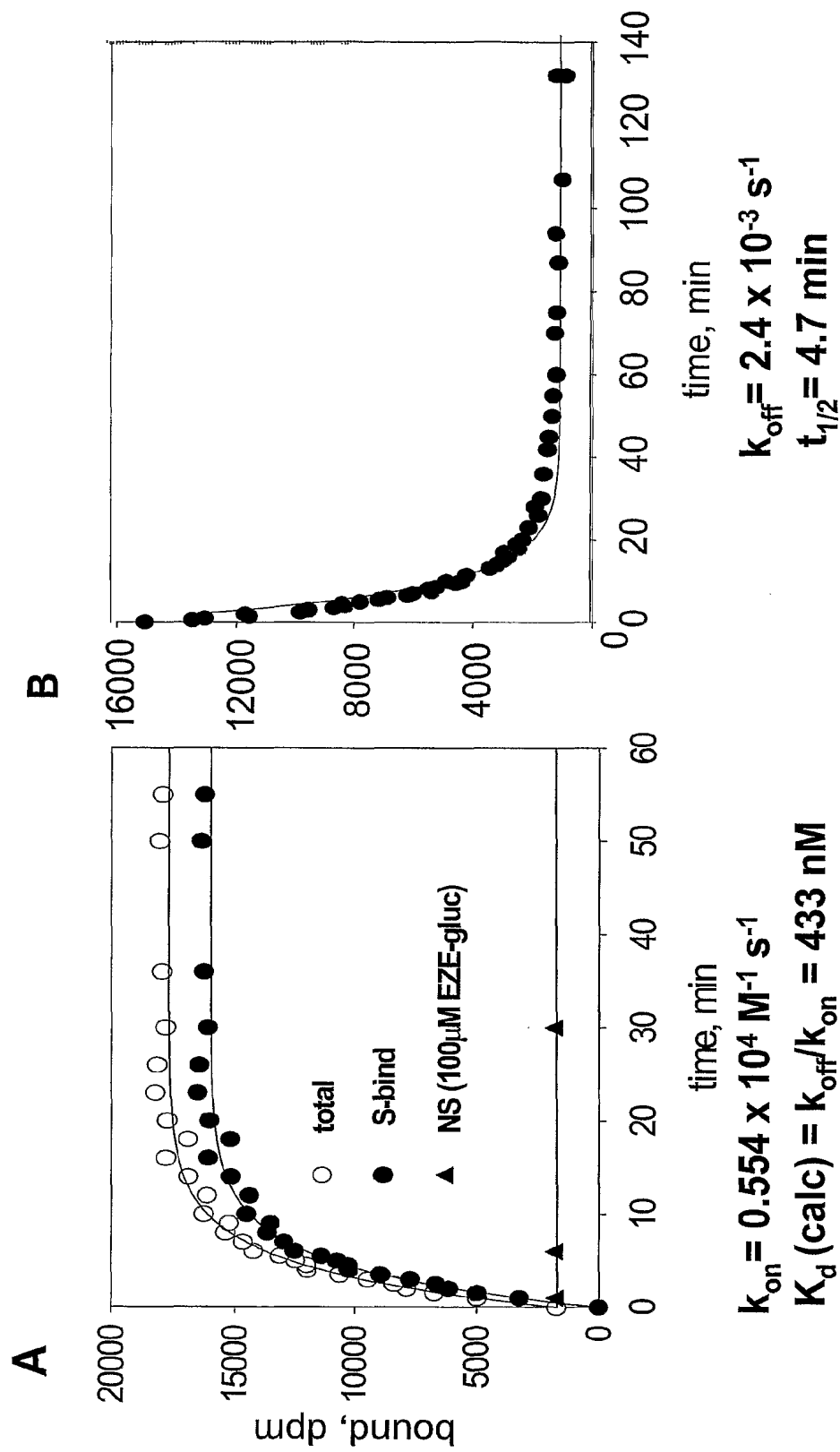
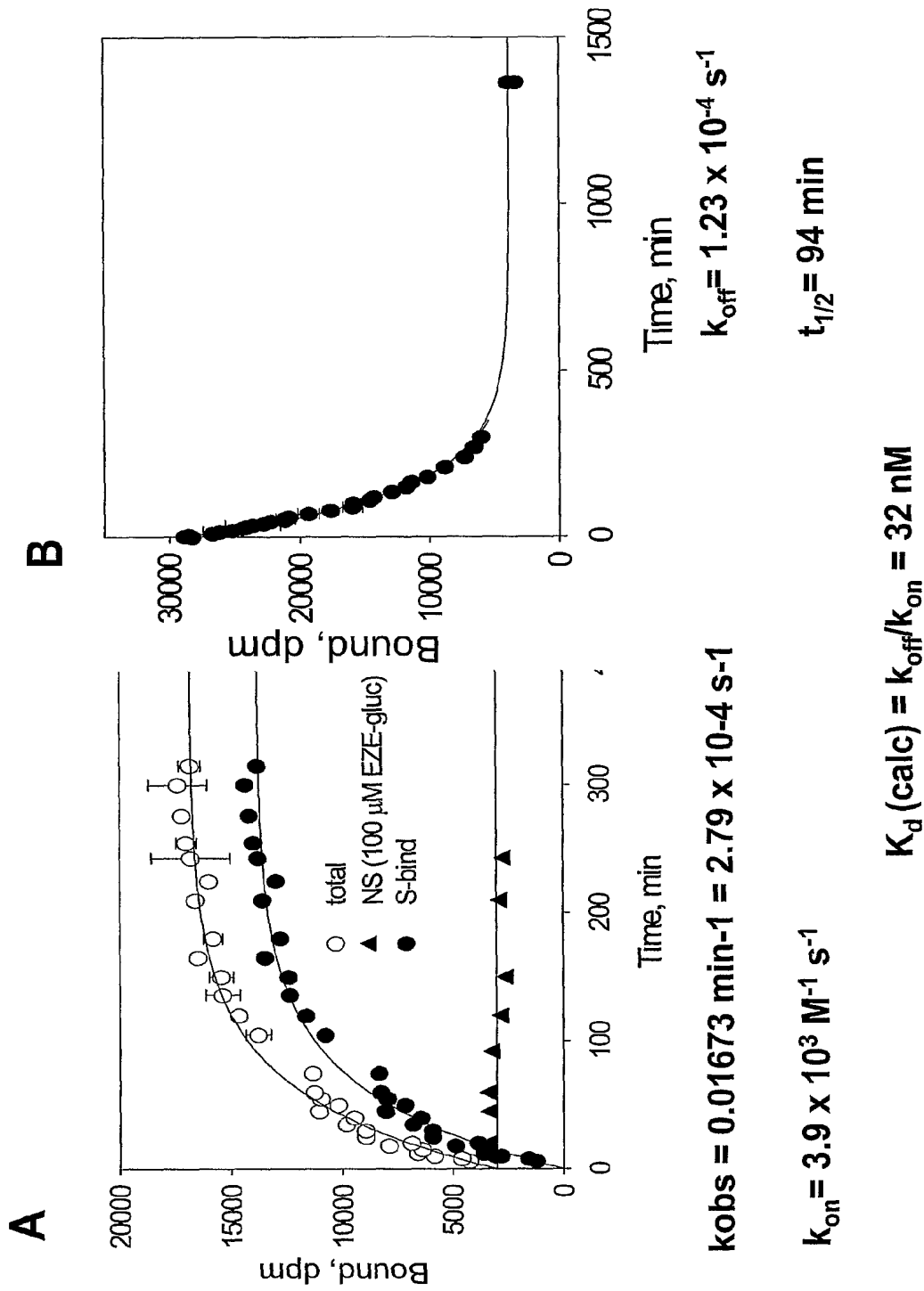


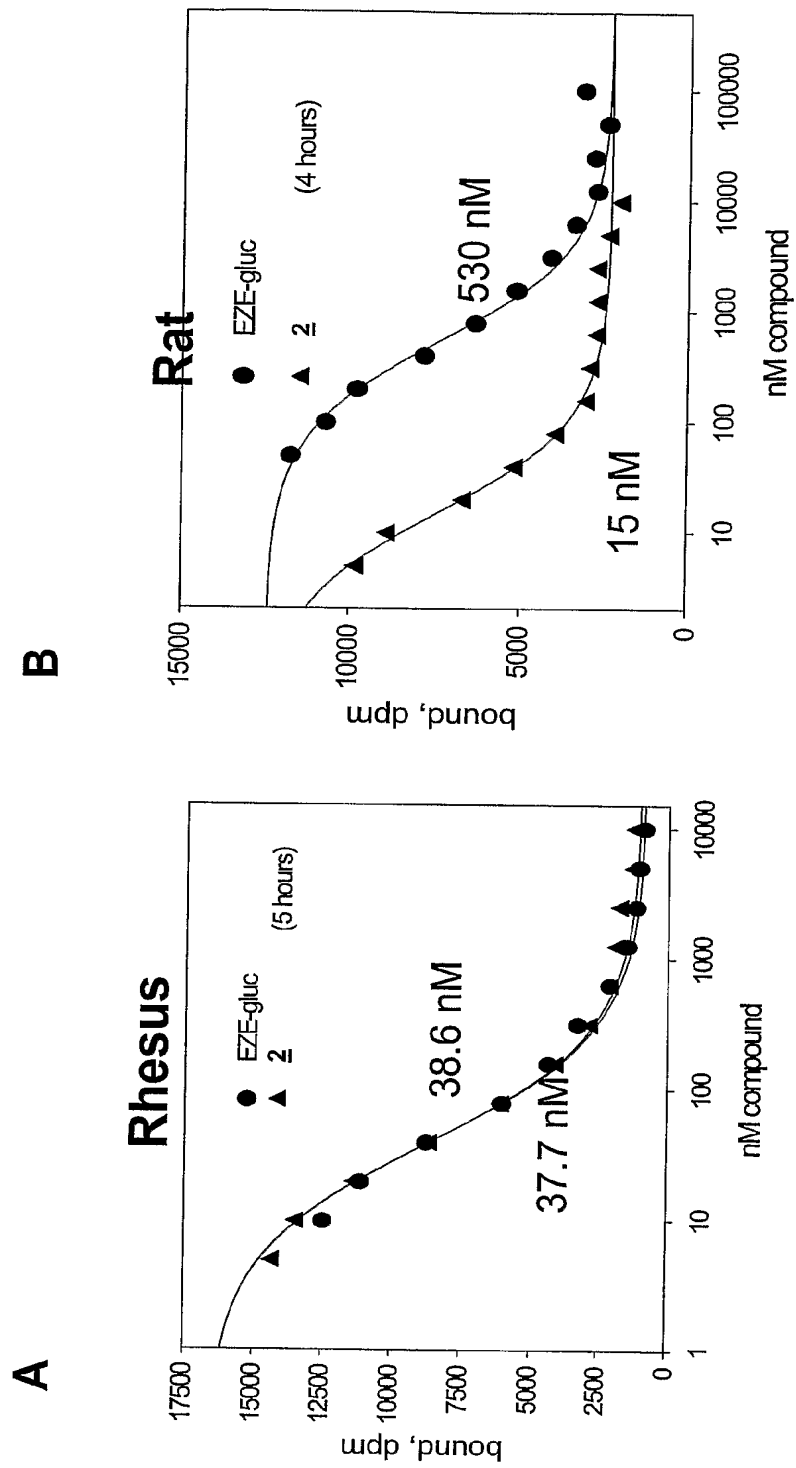
Figure 2. Equilibrium binding of EZE-glucuronide to rat BBMV.



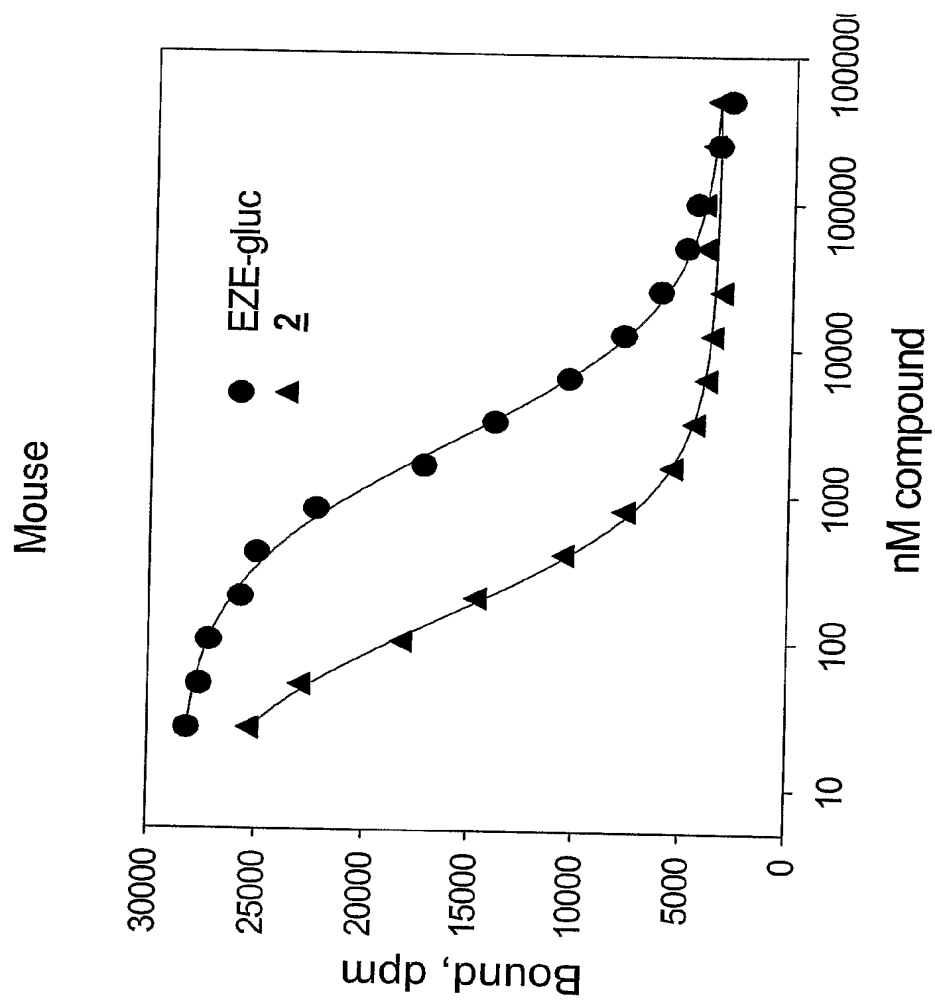
**Figure 3. Association and dissociation kinetics of <sup>3</sup>H-EZE-glucuronide in rat BBMV.**



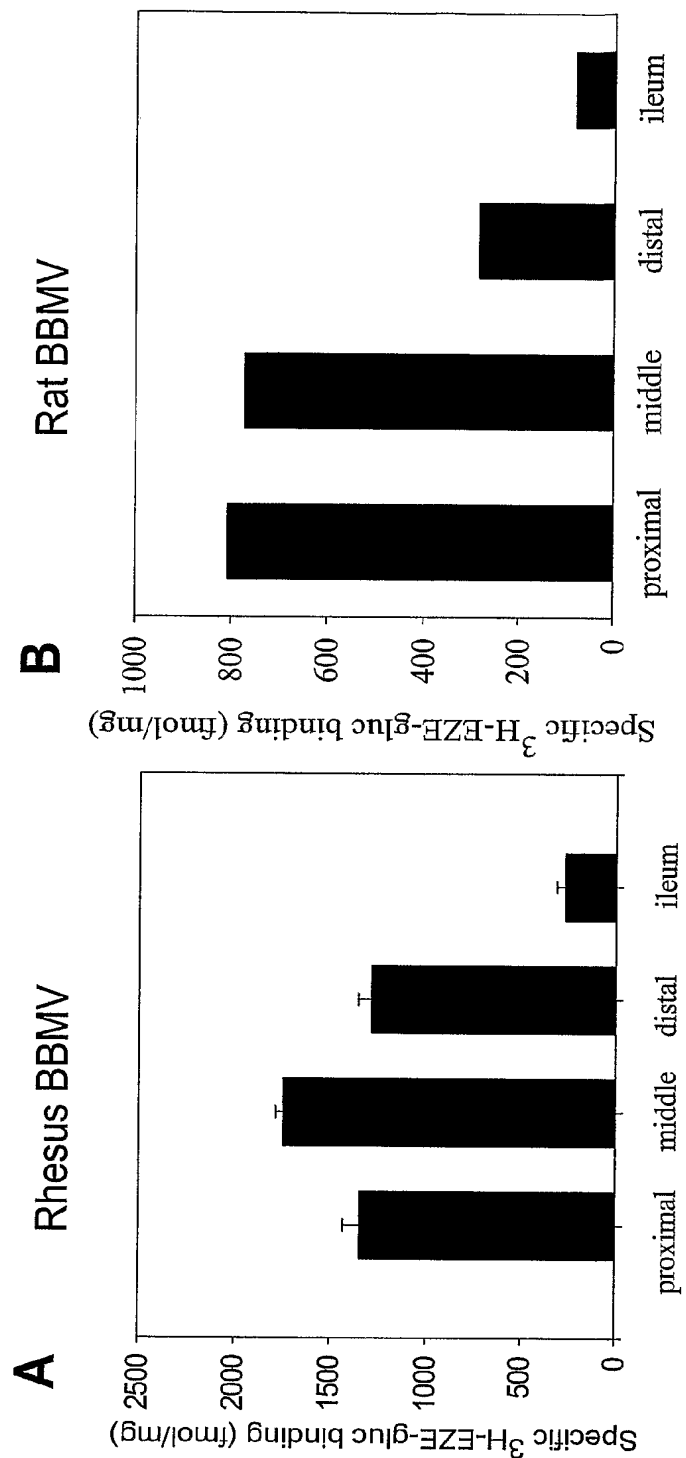
**Figure 4. Association and Dissociation kinetics of  $^3\text{H}$ -EZE-glucuronide in rhesus BBMV.**



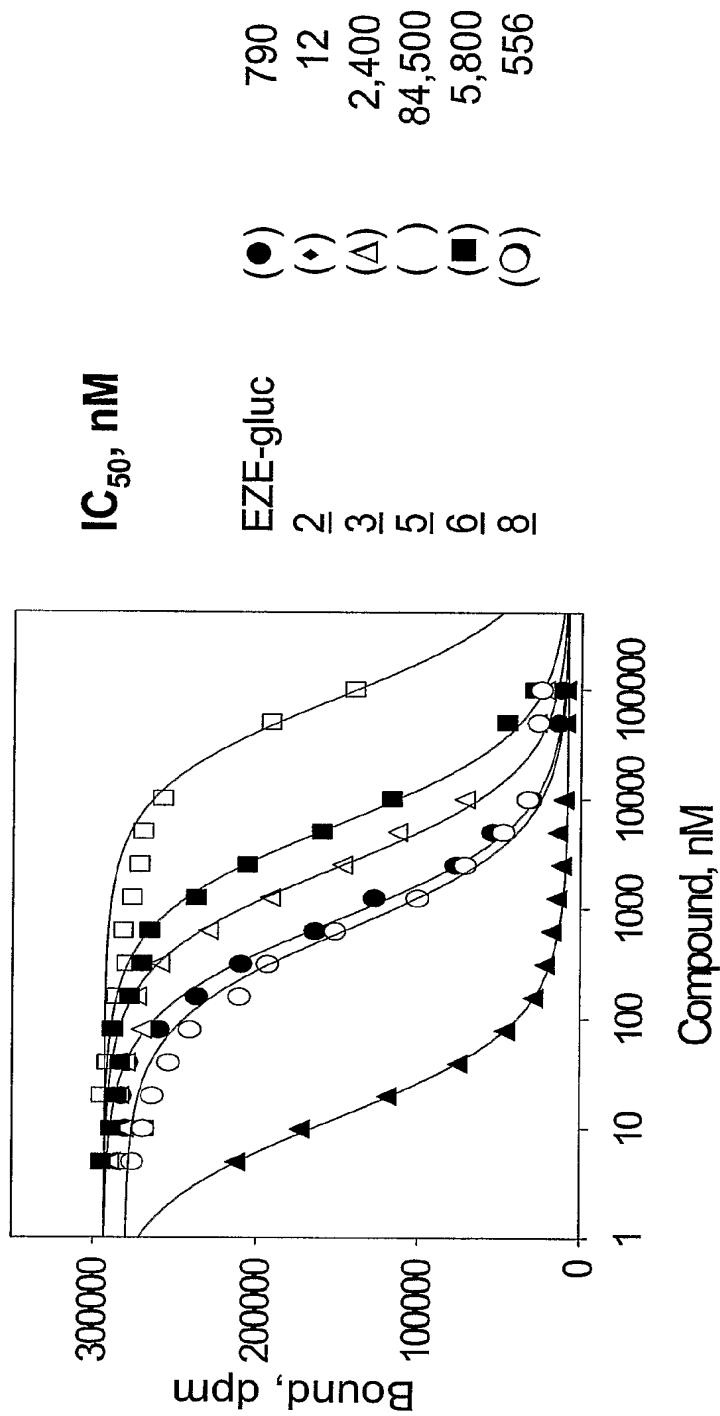
**Figure 5. Displacement of 3H-EZE-glucuronide by EZE-glucuronide and compound 2 in rhesus and rat BBMV.**



**Figure 6. Displacement of  $^{35}\text{S}$ -labeled compound **2** by EZE-glucuronide and compound **2** in mouse BBMV.**



**Figure 7. Intestinal distribution of ezetimibe binding sites.**



**Figure 8. Displacement of  $^{35}\text{S}$ -labeled compound **2** by EZE-glucuronide and analogs in transfected CHO cells expressing rat NPC1L1**

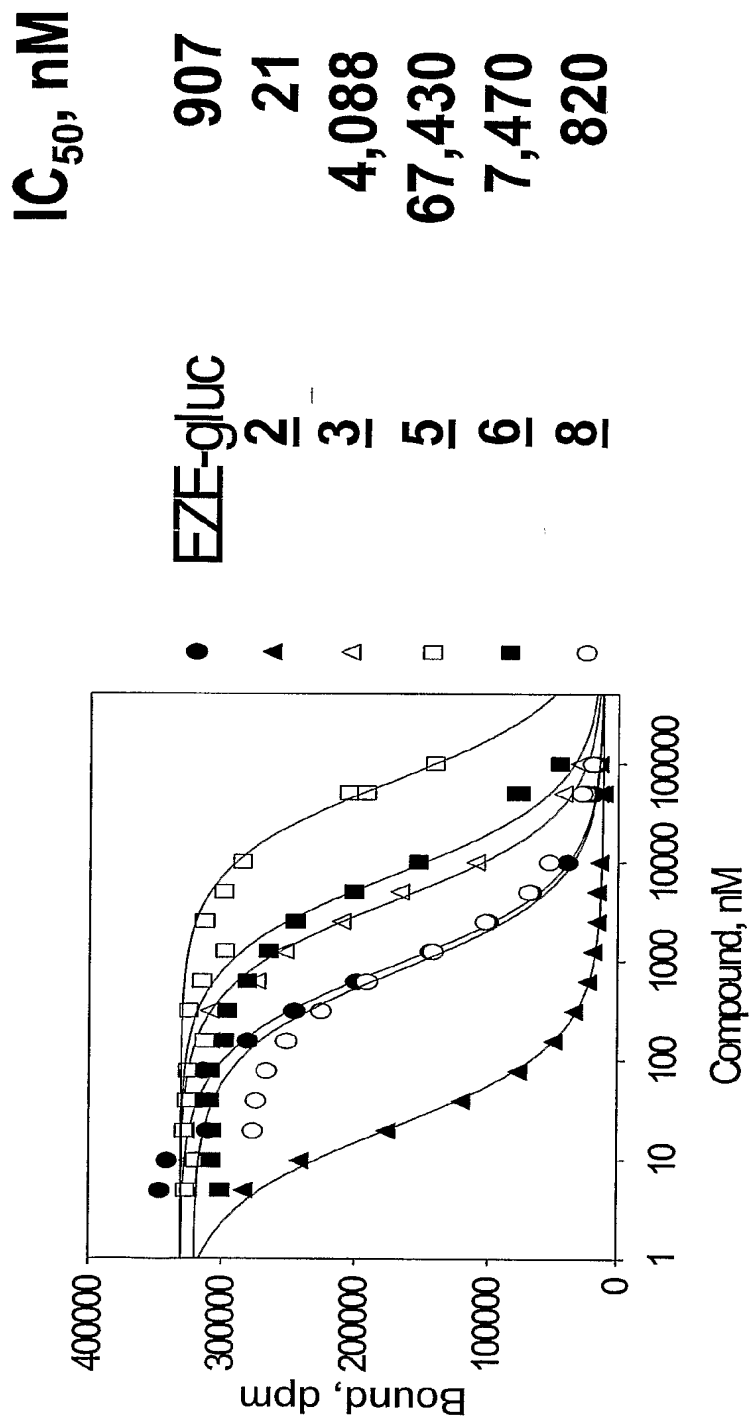
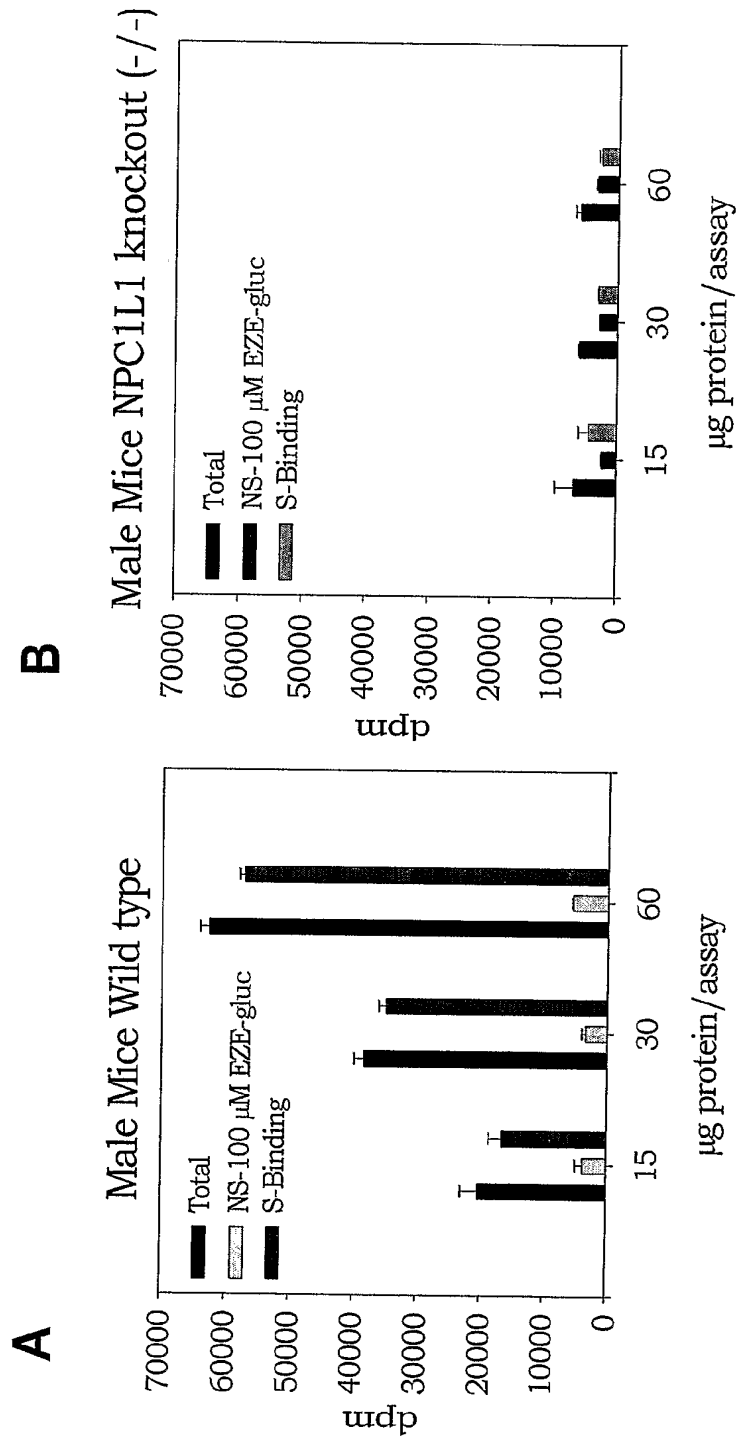


Figure 9. Displacement of <sup>35</sup>S-labeled compound **2** by EZE-glucuronide and analogs in transfected CHO cells expressing human NPC1L1



**Figure 10.**  $^{35}\text{S}$ -labeled compound 2 binding with brush border membranes from intestinal mucosal scrapings of male wild type (A) and NPC1L1 knockout (-/-) mice (B).

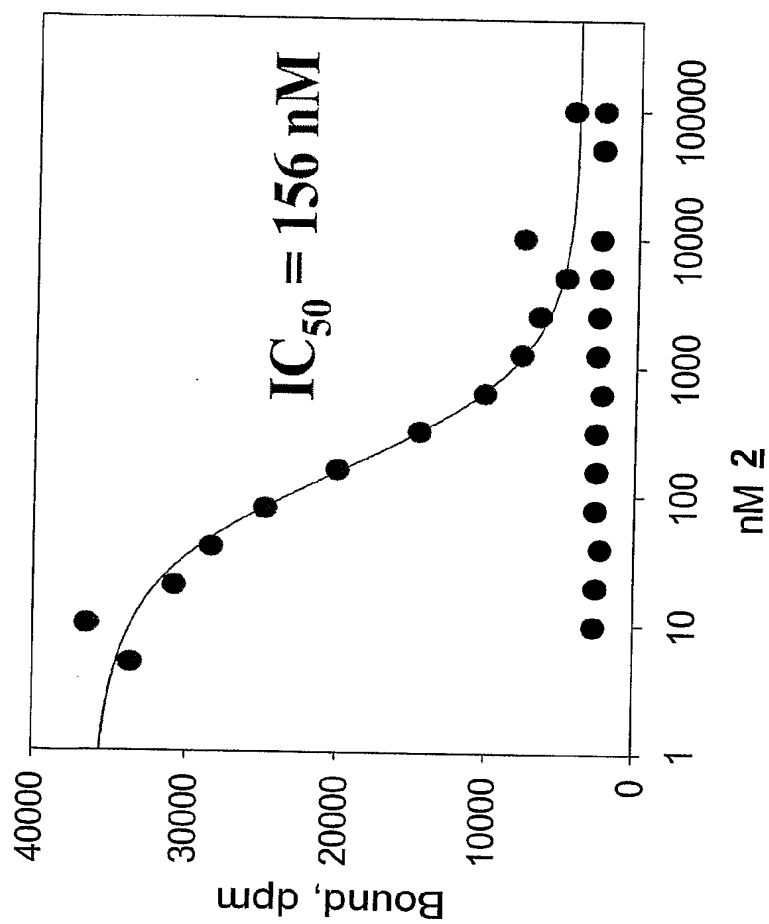


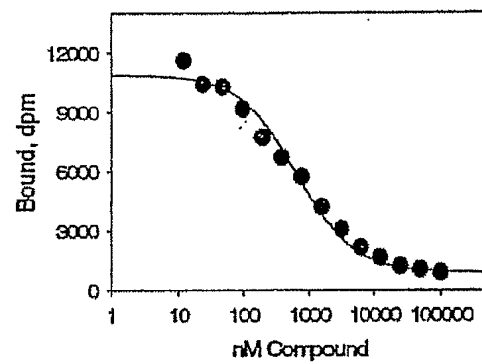
Figure 11. Displacement of  $^{35}\text{S}$ -labeled compound 2 by compound 2 in mouse wild type and knockout mouse NPC1L1 (-/-) BBMV.

FIGURE 12

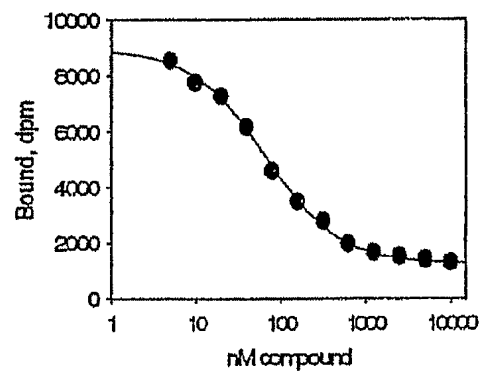
## Competition

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A



B



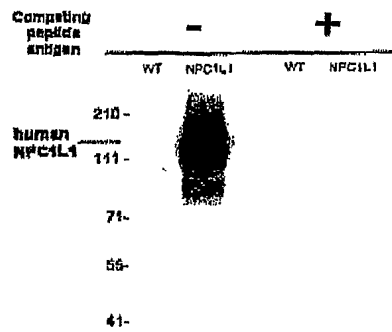
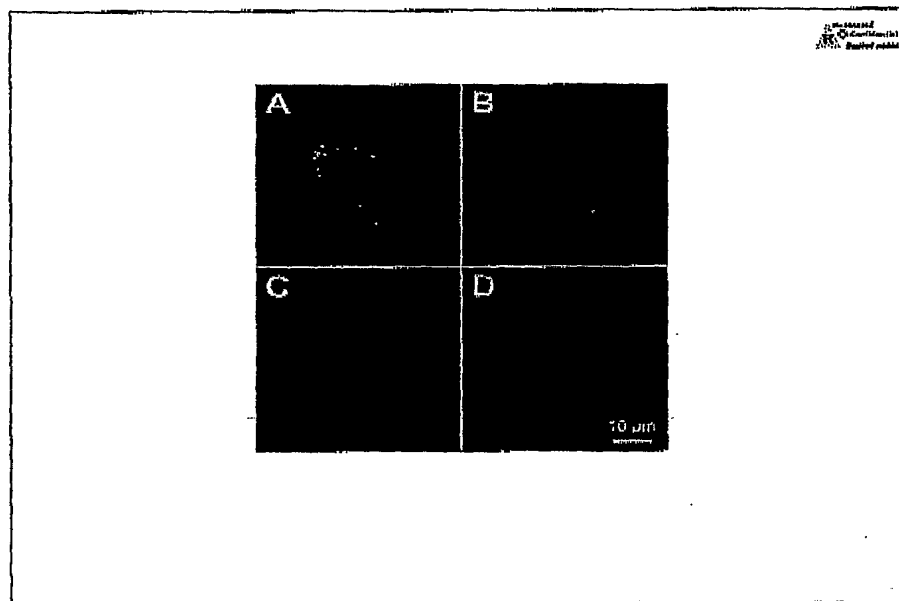
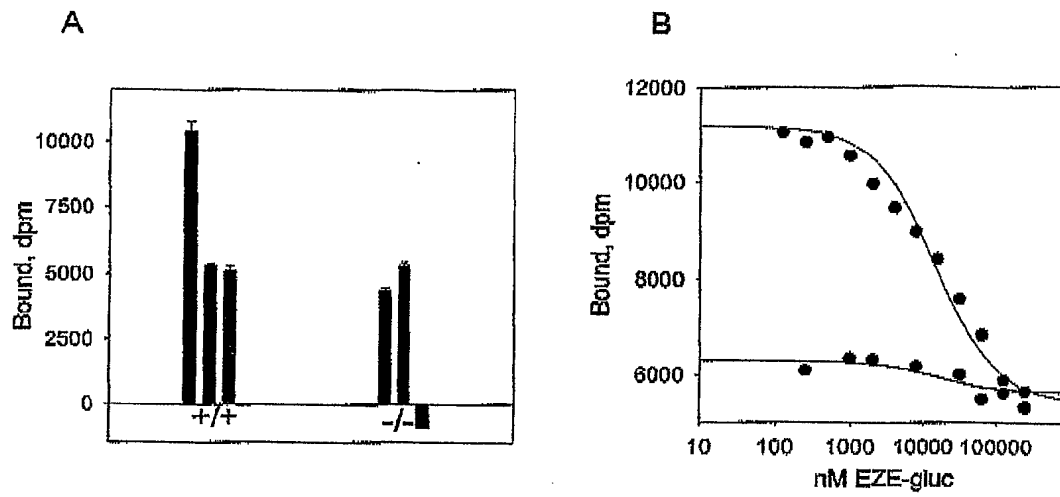
**FIGURE 13****Panel 1****Panel 2**

FIGURE 14



**FIGURE 15**